

Claim Amendments

1. (currently amended) A synchronous vehicle detector system comprising;
a plurality of vehicle detectors each having least one vehicle loop to which that detector can be intermittently coupled for vehicle sampling purposes; and
means for synchronizing the operation of said plurality of vehicle detectors.
2. (original)The invention of claim 1 wherein said means for

synchronizing comprises circuitry incorporated in said vehicle detectors for enabling one of said vehicle detectors to control the synchronous operation of said plurality of vehicle detectors.

3. (original)The invention of claim 1 wherein said vehicle detector system is configured for series synchronization.

4. (original)The invention of claim 1 wherein said vehicle detector system is configured for parallel synchronization.

5. (original)A method of controlling the operation of a plurality of vehicle detectors in a synchronous manner, said method comprising the steps of:

- (a) assigning one of said detectors the role of master detector; and
- (b) operating the remaining number of vehicle detectors as slave detectors to the master.

6. (original)The method of claim 5 wherein said step (b) is performed in series synchronization.

7. (original)The method of claim 5 wherein said step (b) is performed in parallel synchronization.